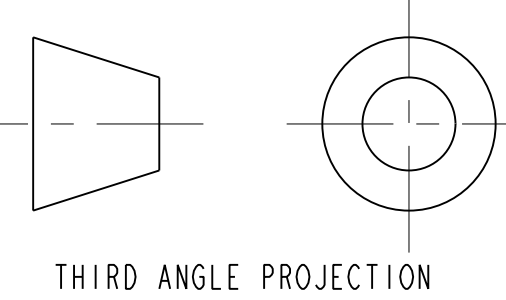
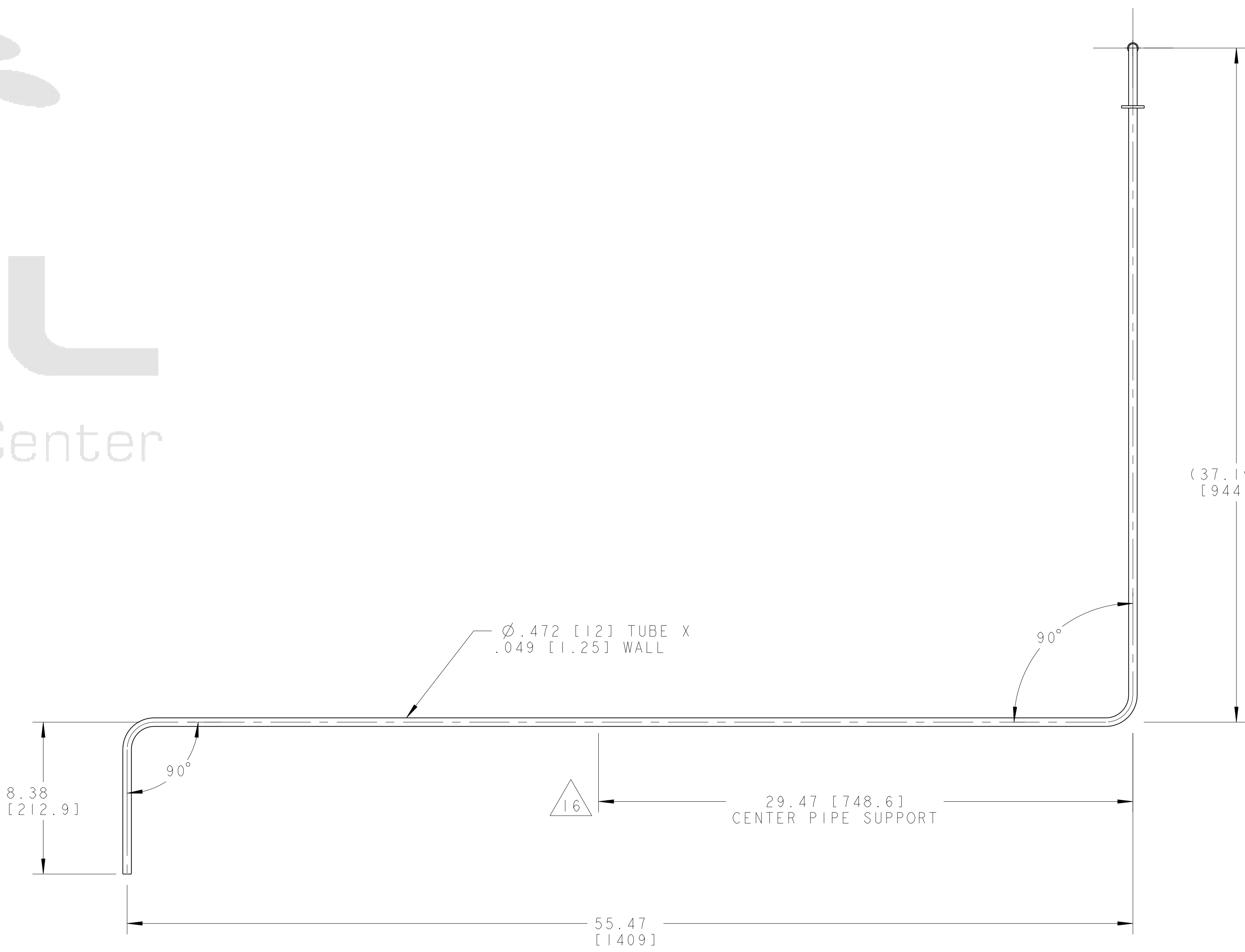
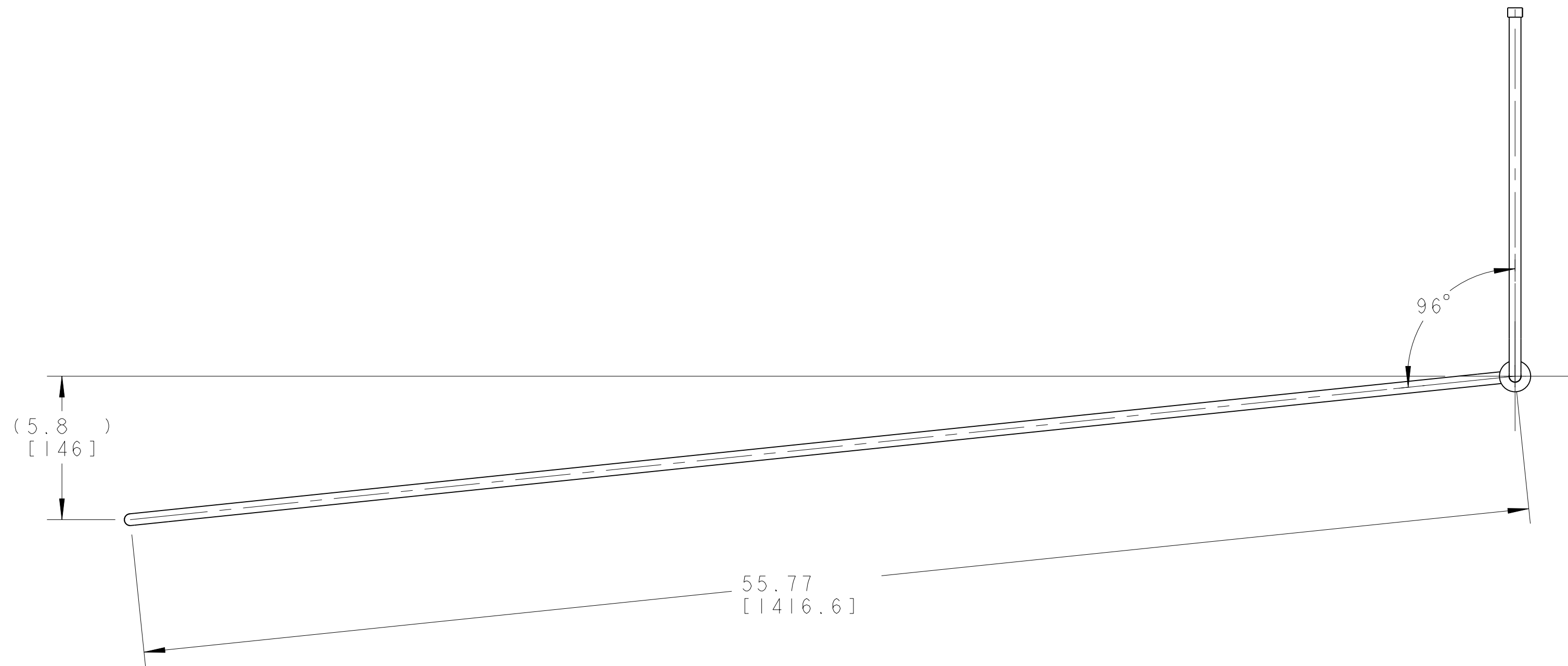
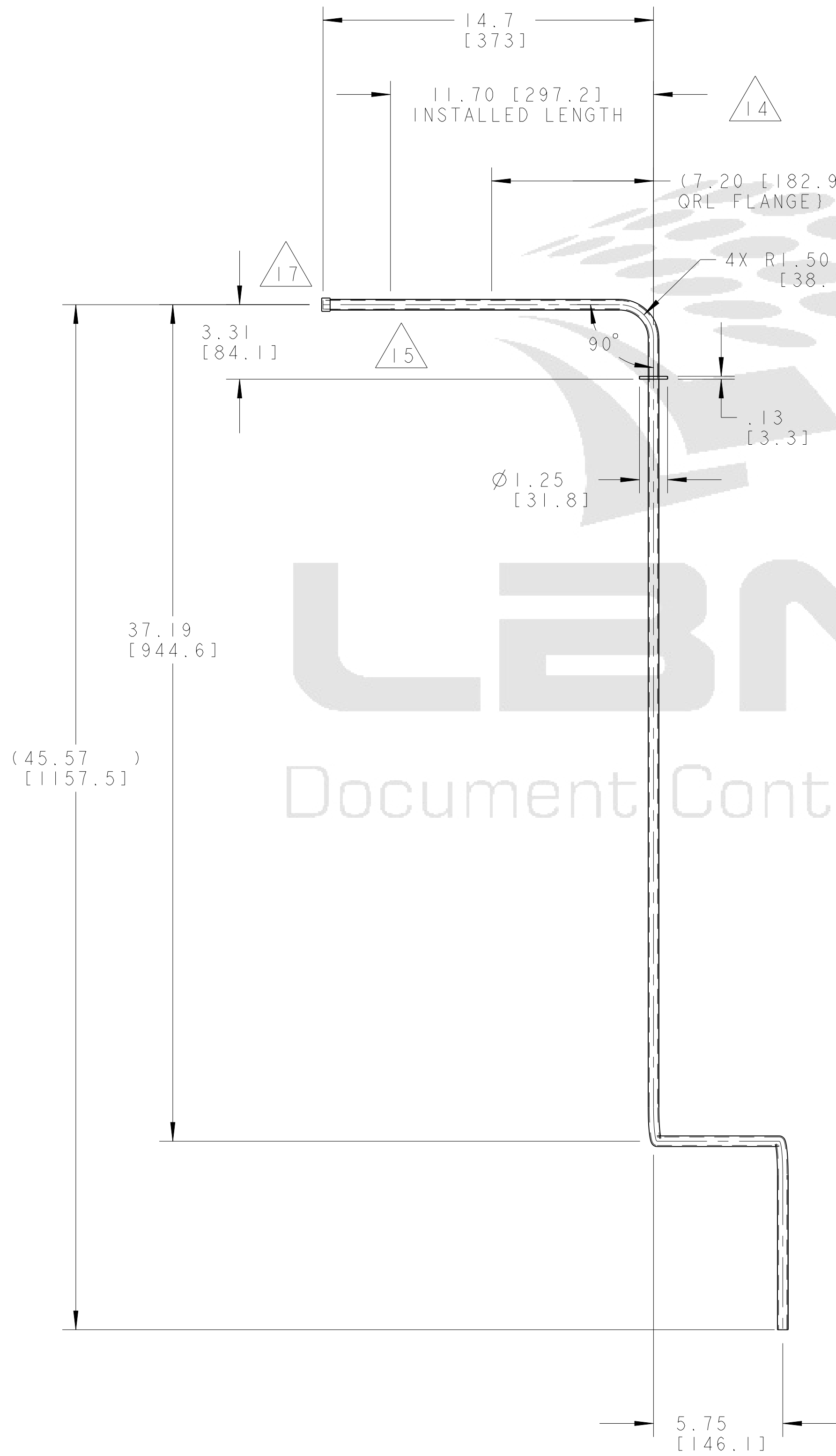
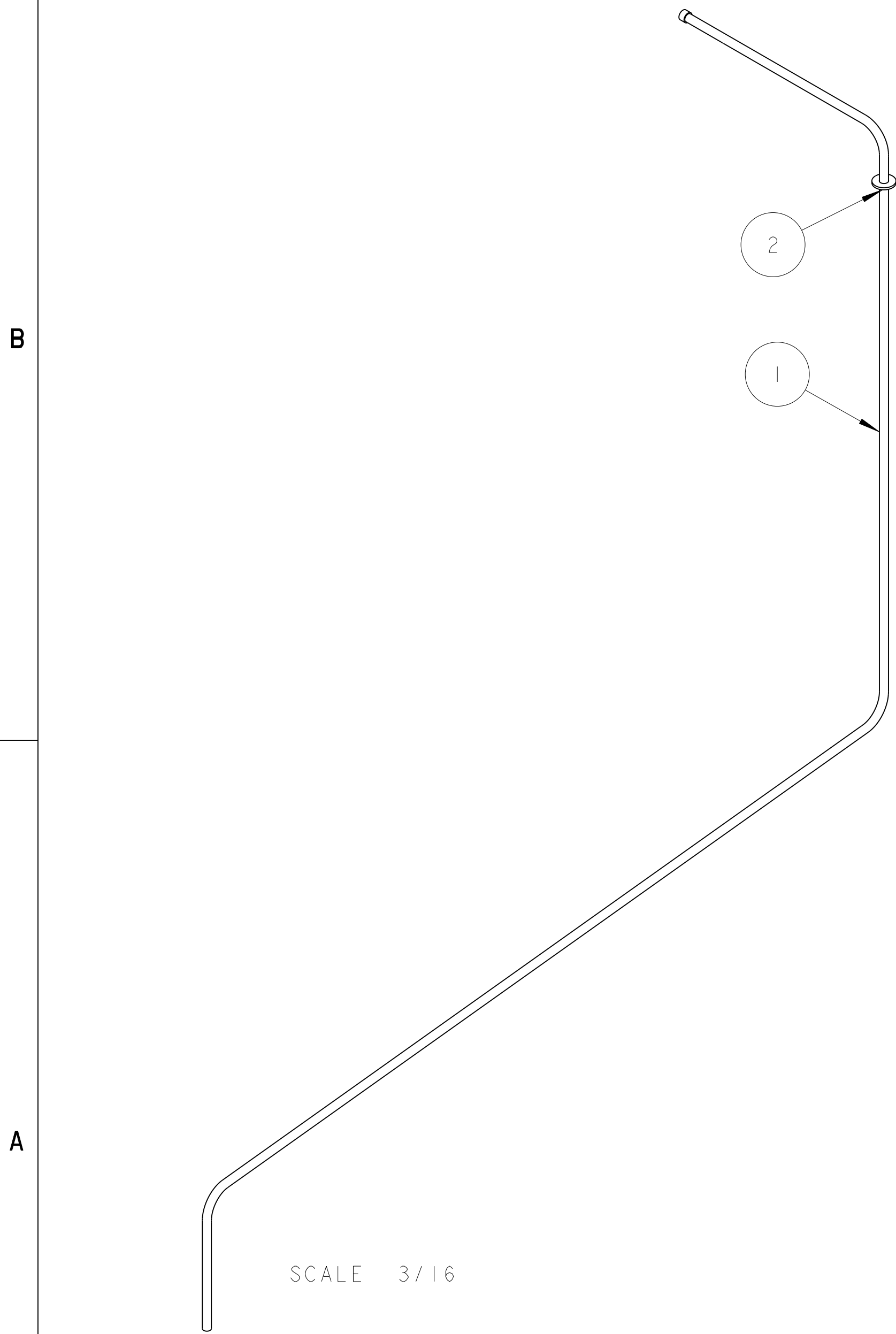


- 8 7 6 5 4 3 2 1
- NOTES: (UNLESS OTHERWISE SPECIFIED)
- THIS IS A CRYOGENIC VACUUM COMPONENT.
  - WELDING PROCEDURE: PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
  - CLEANING PROCEDURE : PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
  - PACKAGING AND STORAGE PROCEDURE OF THE COMPONENTS: PER VENDOR SPCIFICATION WITH LBNL APPROVAL.
  - DIMENSIONS AND TOLERANCING PER ANSI Y14.5M-1982. UNITS ARE IN INCHES [mm] UNLESS OTHERWISE SPECIFIED.
  - USE OF SULFUR OR SILICONE BEARING OILS, LUBRICANTS, OR COOLANTS ARE STRICTLY PROHIBITED.
  - USE OF RESIN OR RUBBER BONDED ABRASIVES UNDER POWER IS STRICTLY PROHIBITED. USE VITREOUS BONDED ABRASIVES ONLY.
  - VENDOR SUGGESTED CHANGES TO WELD PREPS; SUBJECT TO LBNL APPROVAL.
  - FITTINGS MAY BE USED IN PLACE OF BENDS; SUBJECT TO LBNL APPROVAL.
  - VENDOR SUGGESTED CHANGES TO TOLERANCES TO FACILITATE FABRICATION OR ASSEMBLY; SUBECT TO LBNL APPROVAL.
  - REMOVE ALL THE BURRS AND REAM THE ENDS FOR CIRCULARITY AND CLEAN ENDS.
  - TUBE END SURFACE MUST BE PERPENDICULAR TO THE TUBE AXIS WITHIN +/- .010.
  - PERFORM ACCEPTANCE TESTS PER LBNL SPECIFICATION M989.
  - A MARK DESIGNATING THE INSTALLED LENGTH WILL BE UTILIZED DURING FINAL INSTALLATION OF THE FEEDBOX ASSEMBLY. MARK, SCRIBE OR ETCH THIS LOCATION IN A PERMANENT MANNER, SUBJECT TO LBNL APPROVAL, TO AN ACCURACY OF  $\pm 0.063$ ".
  - PROVIDE A MINIMUM LENGTH OF 4.0" OF STRAIGHT, SMOOTH PIPE ON THE INDICATED SIDE OF THE INSTALLED LENGTH MARK FOR PIPE WELDING DURING FINAL INSTALLATION OF THE FEEDBOX ASSEMBLY.
  - PIPE MUST BE STRAIGHT AND SMOOTH (NO BUMPS) FOR 1.5" ON EITHER SIDE OF THE CENTER-PLANE OF THE SUPPORT.
  - CAP BOTH ENDS OF PIPE TO FACILITATE ACCEPTANCE TESTS.



REV	DWG	CHK	ZONE	DATE	CHANGES
C	RLM	JPZ		11/16/04	ADD DFBX F TO TITLE
B	ARH	SPV		01/17/03	REVISED DRAWING NOTES 13, 16 & 17
A	ARH	SPV		11-01-02	INITIAL RELEASE

UNLESS OTHERWISE SPECIFIED			
TOLERANCES	X, Y $\pm 0.1$	FRAC. $\pm 1/164$	NO
	X, XX $\pm 0.03$	Angles $\pm 1.00^\circ$	NO
	X, XXX $\pm 0.010$	FINISH - 125 $\sqrt{\mu\text{in}}$	NO
DO NOT SCALE PRINT			
THREADS ARE CLASS 2			
CHAMFER ENDS OF ALL SCREW THREADS 30°			
CUT ROUNDS, 1.5 THREAD RELIEF ON MACHINED THREADS			
BREAK EDGES, 0.15 MAX. ON MACHINED WORK			
REMOVE BURRS, WELD SPATTER & LOOSE SCALE			
IN ACCORDANCE WITH ASME Y14.5M & DAL 1			

2	-	1	FLANGE, SPIDER INTERFACE	SS 304L
1	-	1	TUBE, PER ATSM A269	SS 304L
ITEM	PART NO.	REQD	DESCRIPTION	MATERIAL
SHOP ORDERS				
ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY				
LHC IR FEEDBOX CRYOGENICS				
PIPE, CCI, DFBX F				
MICROFILMED:		DWG. TYPE	ASSEM	SCALE: 1/4
DATE: 13-Dec-01		DESIGN ACCT. NO.	ZSLCE2	DWG. NO. 2515196
PATENT CLEAR:		CATEGORY CODE	LH2003	REV. C
DATE: 01-Nov-02		SHEET 1 OF 1		
DATE: 08-AUG-02		C		